APT Rec'd PCT/PTO 01 JUN 2006

ORM PTO-1390 (Modified) REV. 7-2005) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE TRANSMITTAL LETTER TO THE UNITED STATES 19905 DESIGNATED/ELECTED OFFICE (DO/EO/US) U.S. APPLICATION NO. (If known, see 37 CFR 1.5) To be assigned CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PRIORITY DATE CLAIMED PCT/JP2004/016513 8 November 2004 (08.11.2004) 1 December 2003 (01.12.2003) TITLE OF INVENTION MULTI-BEAM TRANSMITTING/RECEIVING APPARATUS AND TRANSMITTING/RECEIVING METHOD APPLICANT(S) FOR DO/EO/US Masayuki Kimata Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 2. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), 3 (9) and (24) indicated below.  $\boxtimes$ The US has been elected (Article 31). 4.  $\boxtimes$ 5. A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) a. 🗆 is attached hereto (required only if not communicated by the International Bureau). b. 🛛 has been communicated by the International Bureau. c. 🗆 is not required, as the application was filed in the United States Receiving Office (RO/US). Ø An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).  $\boxtimes$ is attached hereto. b. 🗆 has been previously submitted under 35 U.S.C. 154(d)(4). Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))  $\boxtimes$ are attached hereto (required only if not communicated by the International Bureau). b. 🗆 have been communicated by the International Bureau. c. 🗆 have not been made; however, the time limit for making such amendments has NOT expired. have not been made and will not be made. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9.  $\boxtimes$ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).  $\boxtimes$ 10. An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)). 11. A copy of the International Preliminary Examination Report (PCT/IPEA/409). 12. A copy of the International Search Report (PCT/ISA/210). Items 13 to 23 below concern document(s) or information included: 13. X An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 14.  $\boxtimes$ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 15. A FIRST preliminary amendment. 16. A SECOND or SUBSEQUENT preliminary amendment. 17. A substitute specification. 18. A power of attorney and/or change of address letter. 19. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. 20. A second copy of the published International Application under 35 U.S.C. 154(d)(4). 21. A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4). 22. Express Mail Label No. EV558356633US

## IAP20 Rec'd PCT/PTO 01 JUN 2006

PTO-1390 (Rev. 07-2005)
Approved for use through 3/31/2007. OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO (HARDOWN, See 27 CER 16) INTERNATIONAL APPLICATION NO. PCT/JP2004/016513

ATTORNEY'S DOCKET NUMBER 19905

23. Other items or information:

Nine (9) Sheets of Drawings

Assignee: NEC Corporation of Tokyo, Japan

	•							<u>.</u>
The following fees have been submitted:							CALCULATIONS	PTO USE
24. 🖾 Basic na	ational fee	• • • • • • •		• • • •	\$3	00	\$300.00	
25. Examina If the written opini prepared by IPEA All other situation	/US indicates all d	ort (	\$200.00					
26. Search If the written opini by IPEA/US Search fee (37 Cl as an Interr International Sear	fee (37 CFR 1.492 onof the ISA/US of indicates all clair FR 1.445(a)(2)) ha national Searching och Report prepare communicated to t	00	\$400.00					
	OF 24, 25 and						\$900.00	
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)).  The tee is \$250 for each additional 50 sheets of paper or fraction thereof.								
l otal Sneets	Total Sheets Extra Sheets Number of each additional 50 or fraction thereof (round up to a whole							
43 - 100 =	0 /50 =		0		× · \$250.0	0	\$0.00	
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).							3	
CLAIMS	NUMBER F	ILED	NUMBER EXTRA		RATE			
Total claims	10	- 20 =	0	×	\$50.0	0	\$0.00	
Independent clain	ns 6	- 3=	3	х	\$200.0	0 5	\$600.00	
MULTIPLE DEPE	NDENT CLAIMS	(if applica	able)	+	\$360.0	0	\$360.00	
		T	OTAL OF ABOVE CA	ALC	ULATIONS	S = 5	\$1,860.00	
Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.							\$0.00	
				_	UBTOTAL	- 1	\$1,860.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).						n (	\$0.00	
			TOTAL N	ATI	ONAL FEE	= =	\$1,860.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property +						+ 3	\$0.00	
TOTAL FEES ENCLOSED =							\$1,860.00	
	· · · · · · · · · · · · · · · · · · ·			•		Ī	Amount to be	\$
							Amount to be	\$

40 / 581510
PTO-1390 (Rev. 07-2005)
Approved for use through 3/31/2007. OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

a.	×	A check in the amount of \$ \$1,860.00	to cover the above P	CT/PTO 01 ILIN 2006						
b.		Please charge my Deposit Account No.  A duplicate copy of this sheet is enclosed.	in the amount of \$	to cover the above fees.						
C.	X	The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No19-1013/SSMP A duplicate copy of this sheet is enclosed.								
d.		Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.								
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.										
SE	ND A	ALL CORRESPONDENCE TO:	/ ///							
		Scott, Murphy & Presser, P.C.	SIGNATURE							
400 Garden City Plaza, Suite 300 Garden City, New York 11530			Paul J. Esatto,	Jr.						
		2-4343	NAME /							
Customer No.: 23389			30,749							
			REGISTRATION I	REGISTRATION NUMBER						
			June 1, 2006	June 1, 2006						
			DATE	DATE						
				l						
				1						

## AP20 Rec'd PCT/PTO 01 JUN 2006

CERTIFICATE OI	Docket No.								
Applicant(s): Masayu	uki Kimata 19905								
Application No.			Customer No.	Group Art Unit					
0/584540	Herewith	Unassigned	23389	Unassigned					
Invention: MULTI-BI	EAM TRANSMITTING/F	RECEIVING APPARATUS AND TRA	NSMITTING/						
RECEIVING METHOD									
I hereby certify that t	I hereby certify that the following correspondence:								
			· · · · · · · · · · · · · · · · · · ·						
New U.S. Patent App	lication Under 35 U.S.C. {	§371							
	(1	Identify type of correspondence)							
is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37									
CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on									
	June 1, 2006								
	(Date)								
:		Paul J <sub>A</sub> Es (Typed or Printed Name of Perso		lence)					
		[//]							
	(Signature of Person Mailing Correspondence)								
	EV558356633US								
		("Express Mail" Maili	ing Label Number)						
:									
	Note: Each paper must have its own certificate of mailing.								